Fig. 1

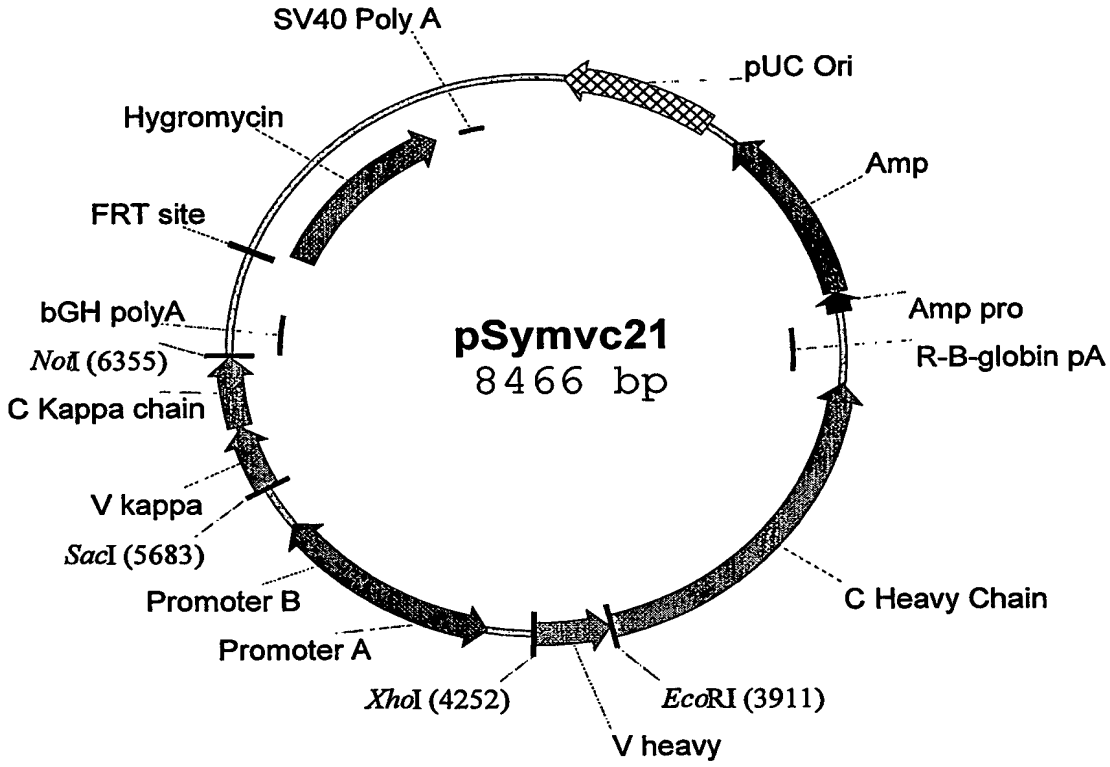
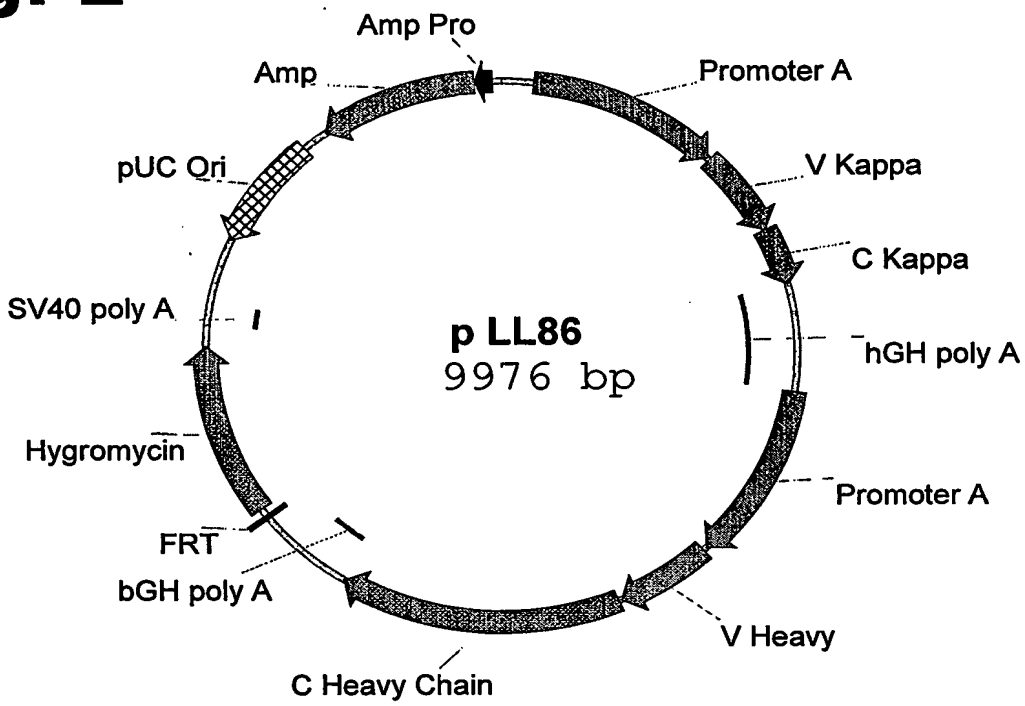

SV40 Poly A
pUC Ori
Hygromycin
Amp
FRT site
bGH polyA
Amp pro
pSymvc21
8466 bp
NotI (6355)
R-B-globin pA
C Kappa chain
V kappa
SacI (5683)
C Heavy Chain
Promoter B
Promoter A
XhoI (4252)
EcoRI (3911)
V heavy

Fig. 2


Amp Pro
Amp
Promoter A
pUC Ori
V Kappa
C Kappa
SV40 poly A
p LL86
9976 bp
hGH poly A
Hygromycin
Promoter A
FRT
bGH poly A
V Heavy
C Heavy Chain

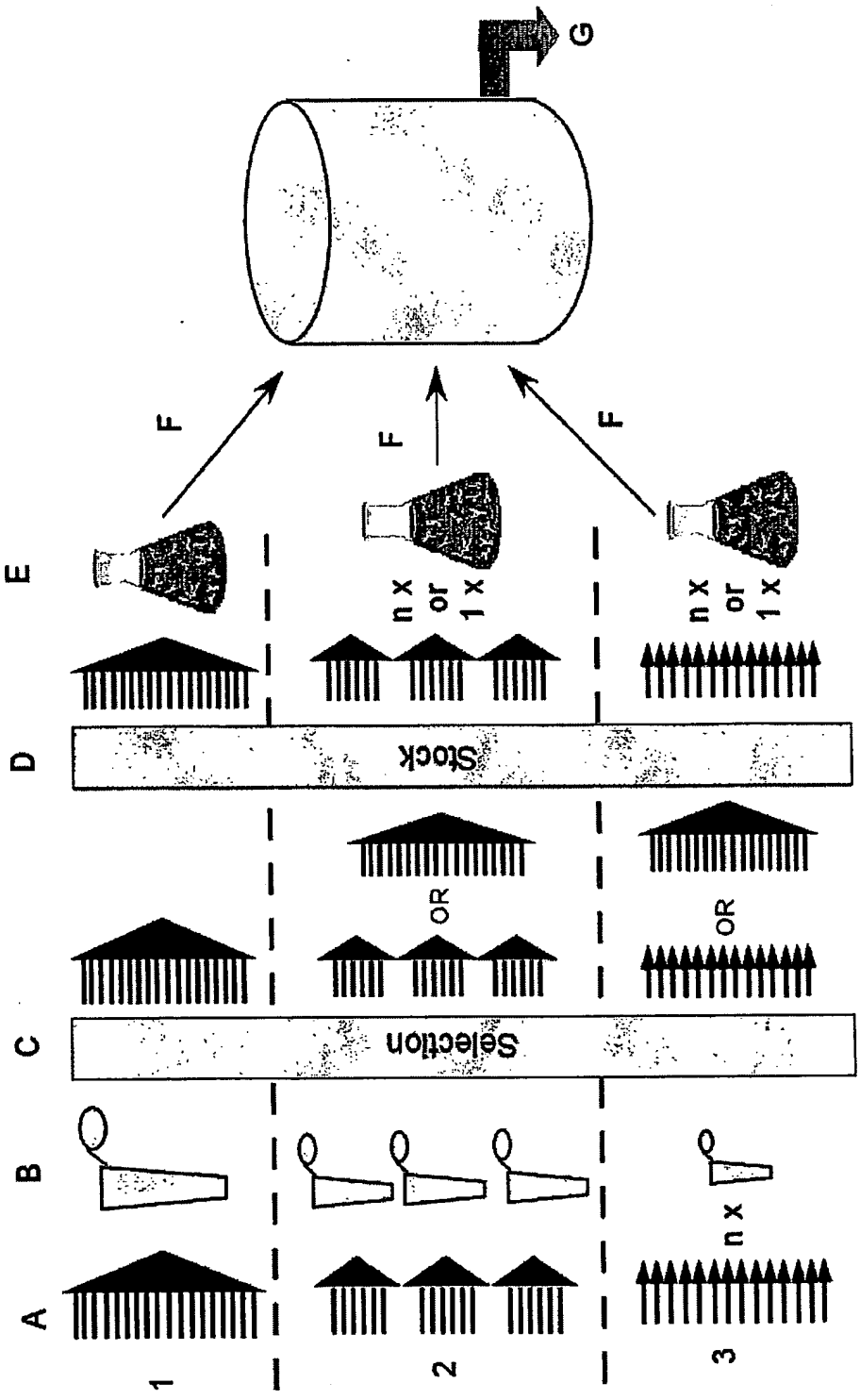


Fig. 3

Fig. 4A

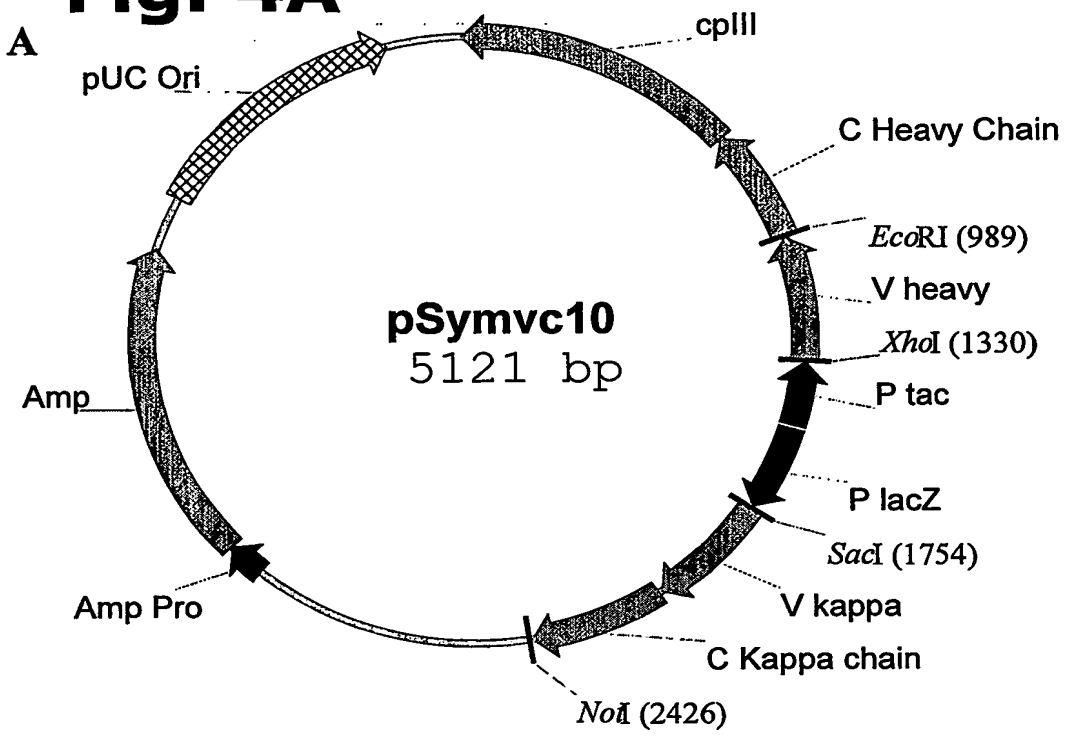
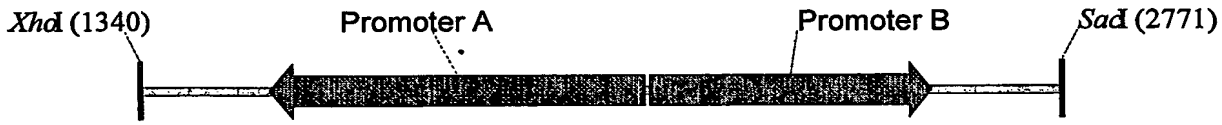


Fig. 4B



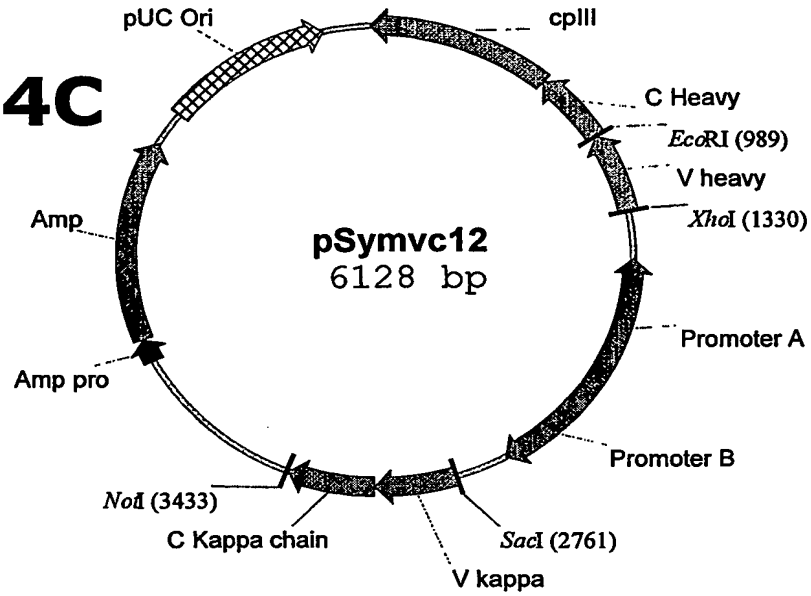
Fragment of promoter cassette (mammalian)
1433 bp (molecule 6135 bp)

Step 1 ↓ digest with SacI + XhoI,
ligate fragments from A and B, to generate
symvc12

Continued

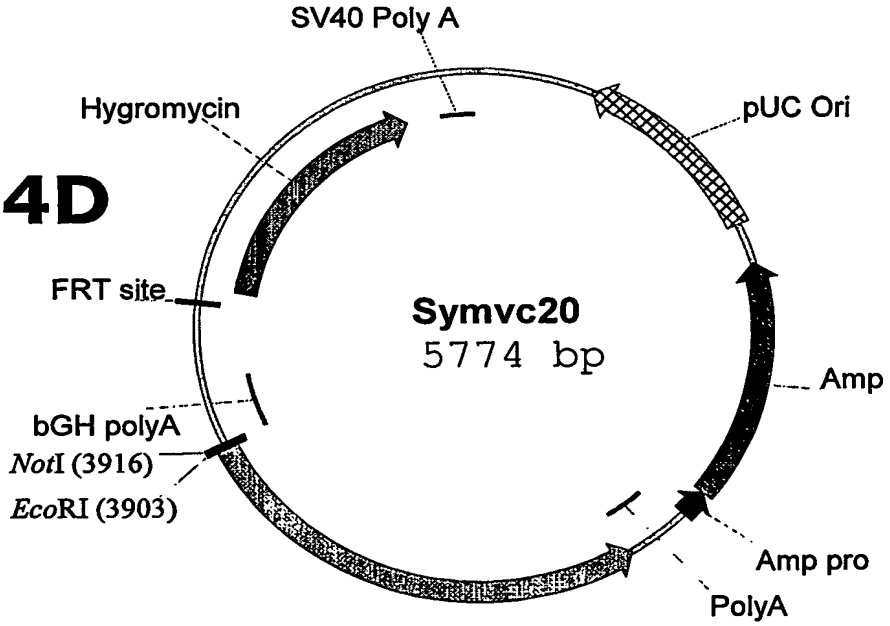
Figure 4 continued

Fig. 4C



Step 2 → Digest symvc12 + Symvc20 with EcoRI/ NotI and ligate

Fig. 4D



C Heavy Chain

Figure 4 continued

Fig. 4E

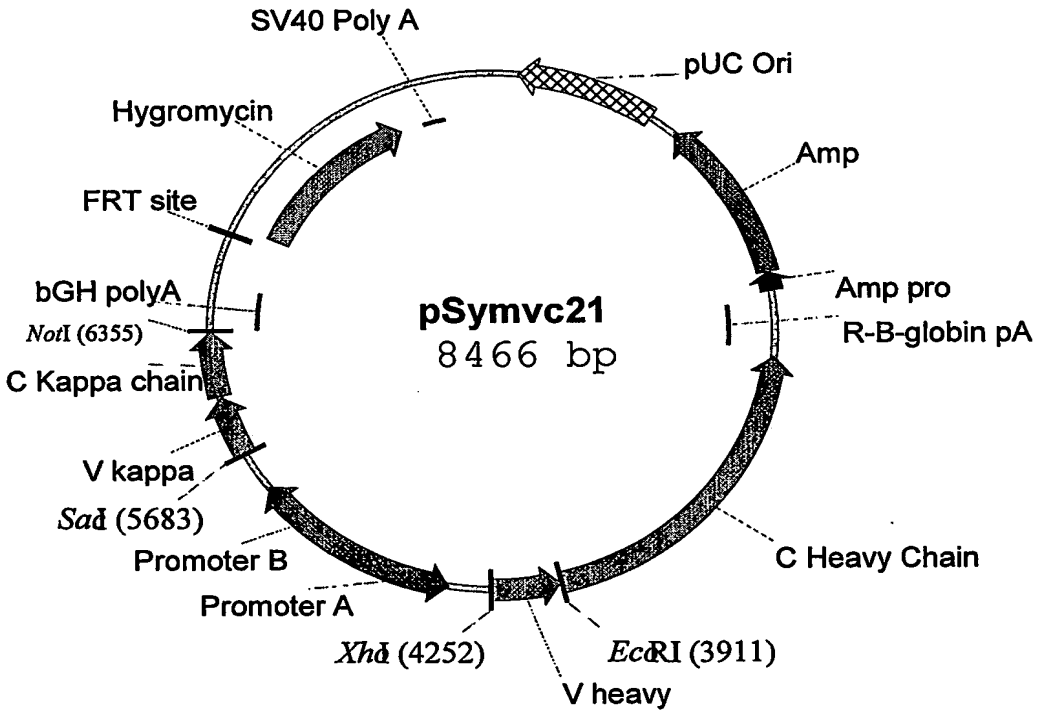


Fig. 5

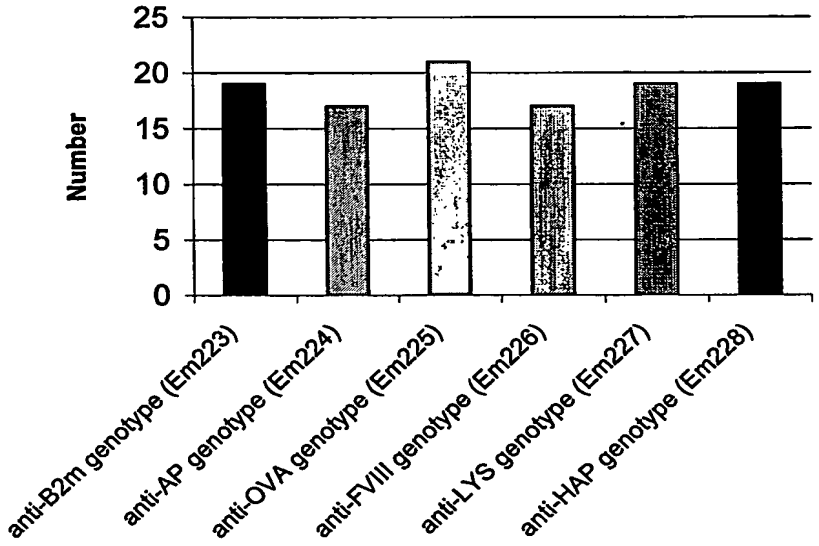

25
20
15
10
5
0
Number
anti-B2m genotype (Em223)
anti-AP genotype (Em224)
anti-OVA genotype (Em225)
anti-FVIII genotype (Em226)
anti-LYS genotype (Em227)
anti-HAP genotype (Em228)

Fig. 6

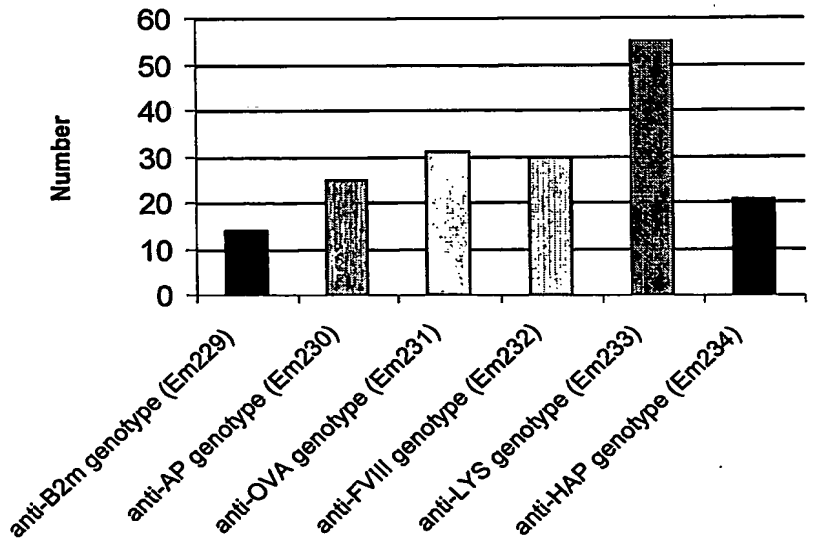

60
50
40
30
20
10
0
Number
anti-B2m genotype (Em229)
anti-AP genotype (Em230)
anti-OVA genotype (Em231)
anti-FVIII genotype (Em232)
anti-LYS genotype (Em233)
anti-HAP genotype (Em234)

Fig. 7

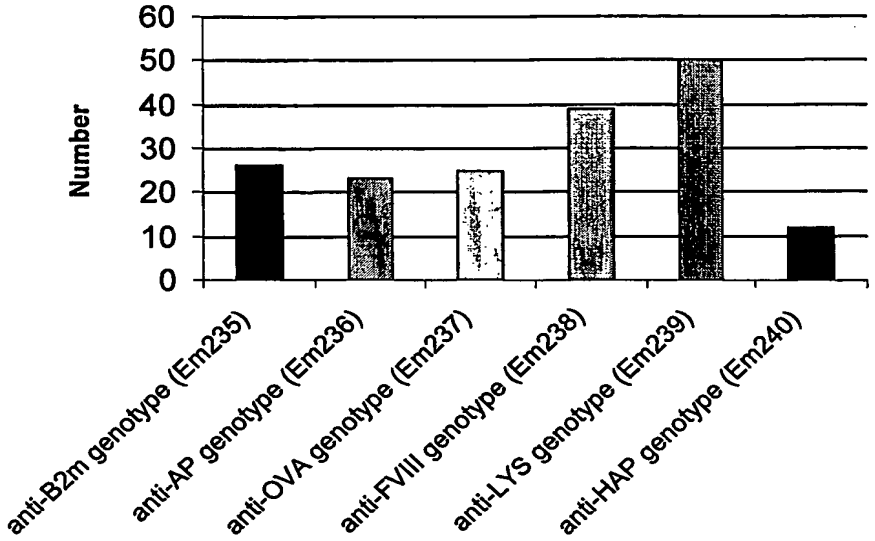

60
50
40
30
20
10
0
Number
anti-B2m genotype (Em235)
anti-AP genotype (Em236)
anti-OVA genotype (Em237)
anti-FVIII genotype (Em238)
anti-LYS genotype (Em239)
anti-HAP genotype (Em240)

Fig. 8

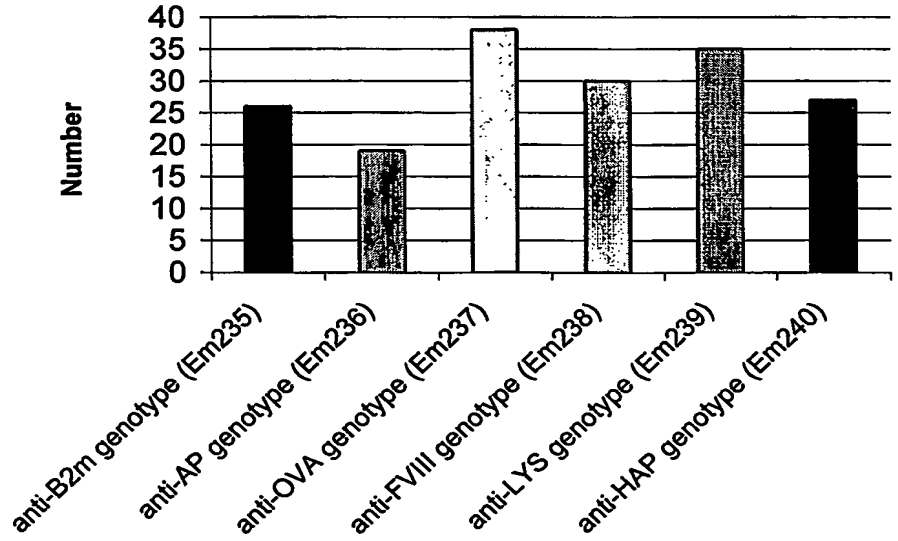

40
35
30
25
20
15
10
5
0
Number
anti-B2m genotype (Em235)
anti-AP genotype (Em236)
anti-OVA genotype (Em237)
anti-FVIII genotype (Em238)
anti-LYS genotype (Em239)
anti-HAP genotype (Em240)

Fig. 9A

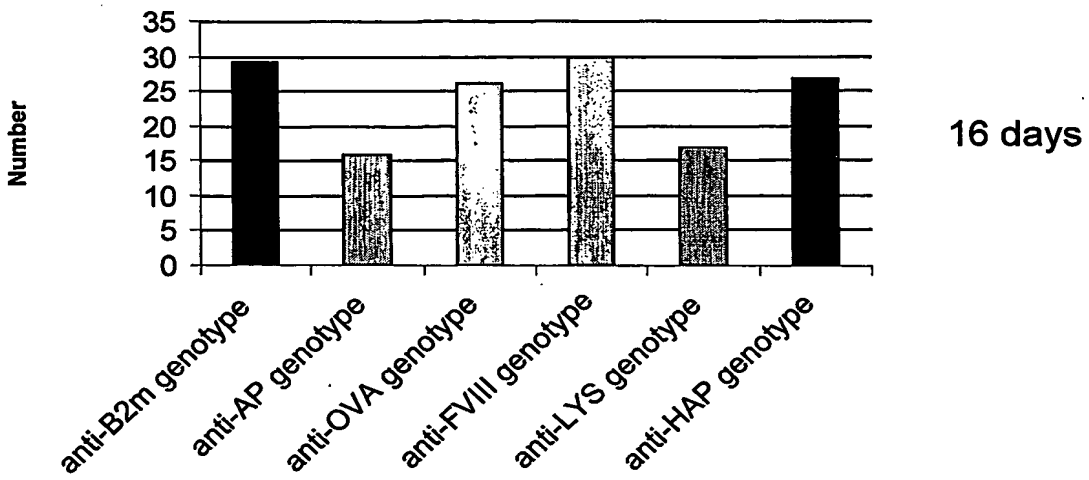

Number
35
30
25
20
15
10
5
0
anti-B2m genotype
anti-AP genotype
anti-OVA genotype
anti-FVIII genotype
anti-LYS genotype
anti-HAP genotype
16 days

Fig. 9B

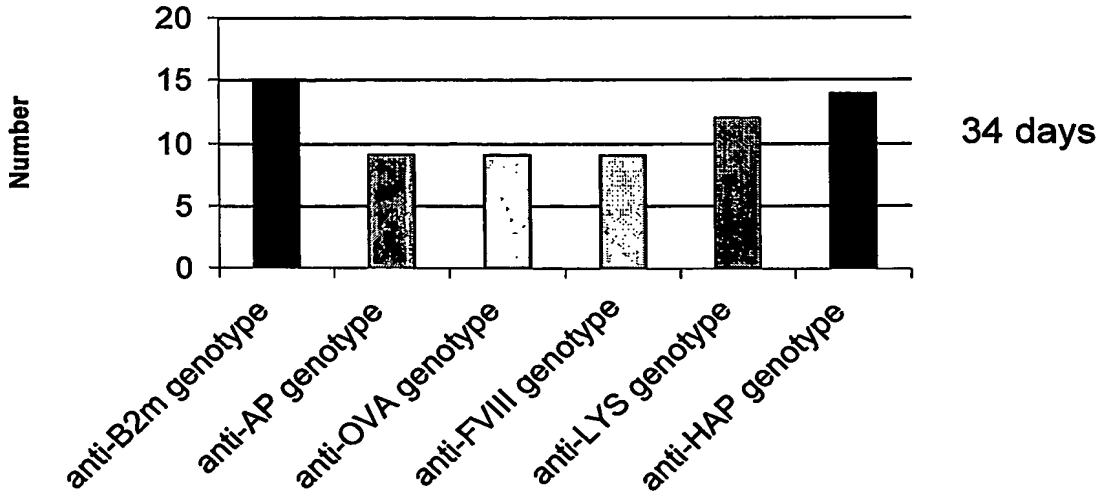

Number
20
15
10
5
0
anti-B2m genotype
anti-AP genotype
anti-OVA genotype
anti-FVIII genotype
anti-LYS genotype
anti-HAP genotype
34 days

Fig. 10

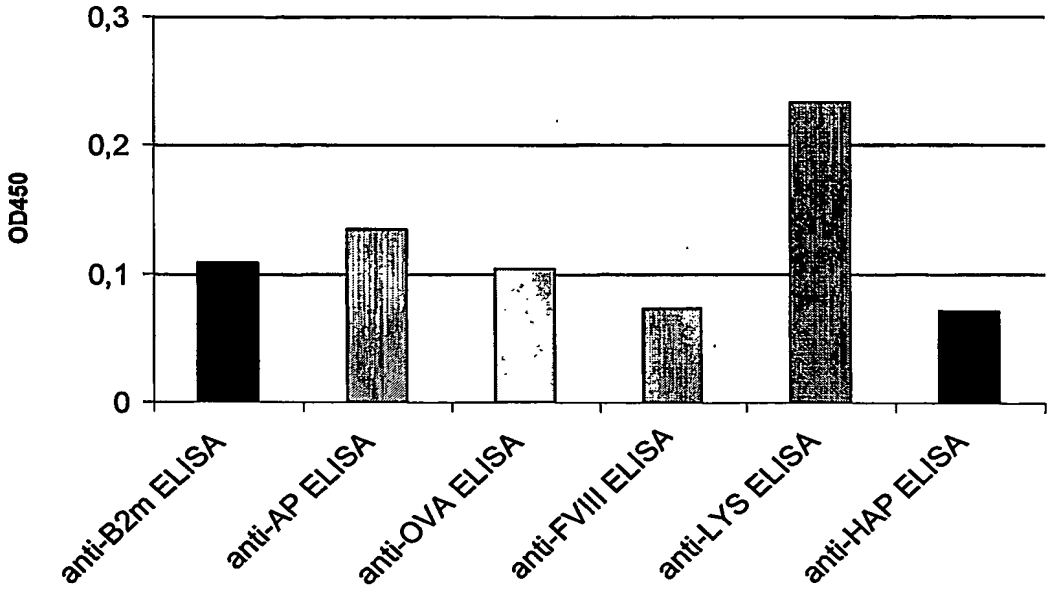

0,3
0,2
0,1
0
OD450
anti-B2m ELISA
anti-AP ELISA
anti-OVA ELISA
anti-FVIII ELISA
anti-LYS ELISA
anti-HAP ELISA

Fig. 11

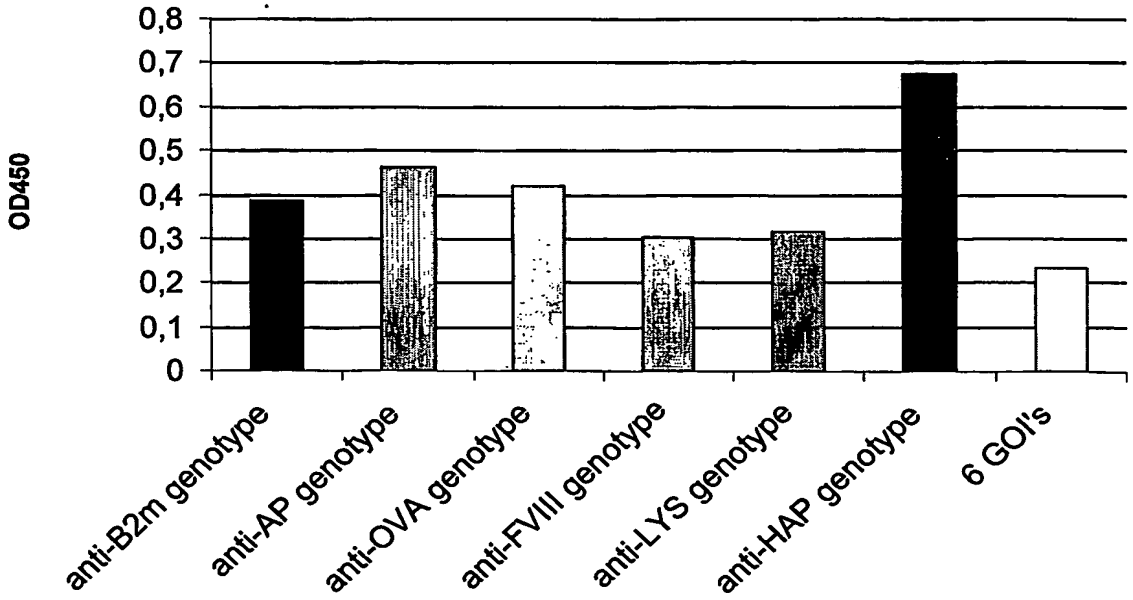
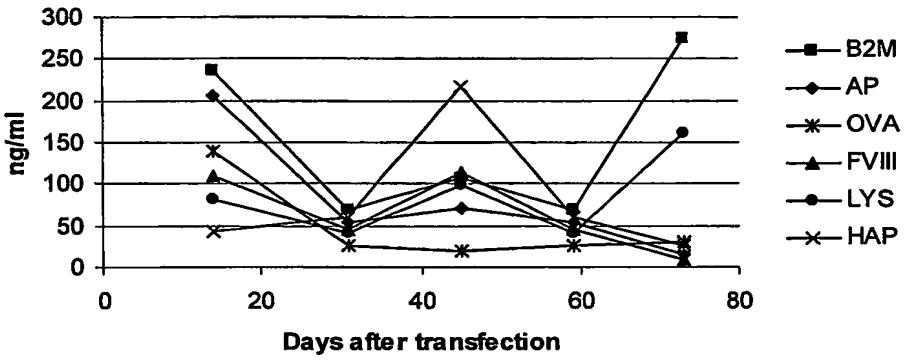
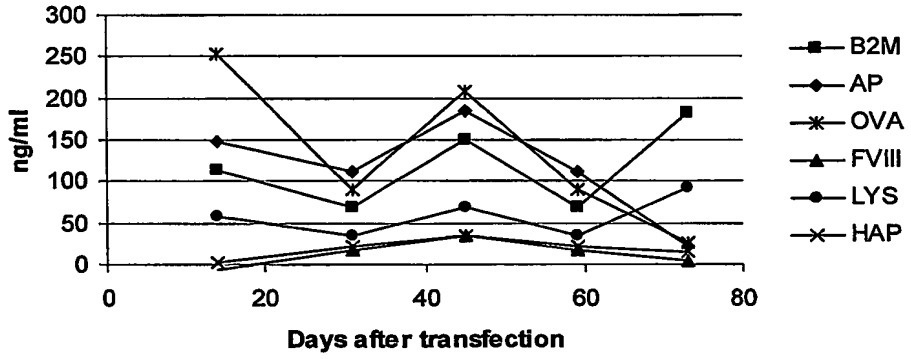

0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
OD450
anti-B2m genotype
anti-AP genotype
anti-OVA genotype
anti-FVIII genotype
anti-LYS genotype
anti-HAP genotype
6 GOI's

Fig. 12

A


300
250
200
150
100
50
0
ng/ml
0
20
40
60
80
Days after transfection
B2M
AP
OVA
FVIII
LYS
HAP

B


300
250
200
150
100
50
0
ng/ml
0
20
40
60
80
Days after transfection
B2M
AP
OVA
FVIII
LYS
HAP

C

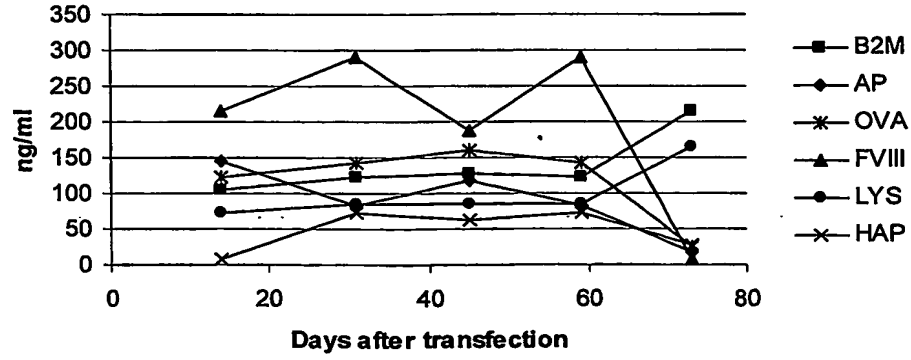
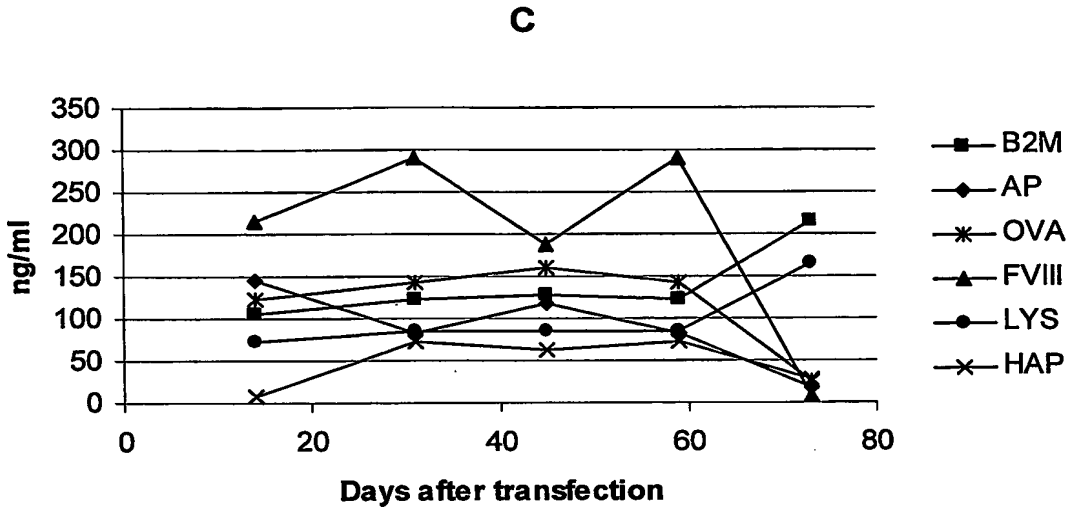

350
300
250
200
150
100
50
0
ng/ml
0
20
40
60
80
Days after transfection
B2M
AP
OVA
FVIII
LYS
HAP

Fig. 13


C
350
300
250
200
150
100
50
0
ng/ml
0
20
40
60
80
Days after transfection
B2M
AP
OVA
FVIII
LYS
HAP